

Application No: 10/532,621
Amendment B
Reply to Office Action Dated 09/27/2006

Attorney Docket No: 3926.155

IN THE CLAIMS:

The following listing of claims replaces any earlier listing:

1. (previously presented) An illumination device, in particular for use in a motor vehicle, comprising:
an array of individual optical elements that are in each case assigned at least one semiconductor light source, in particular a light emitting diode, each optical element including:
a light entry area with a light entry opening having an elongate, essentially rectangular cross section,
a central region perpendicular to the light entry area, a projection of the central region into a two-dimensional plane corresponding to a cylindrical two-dimensional Cartesian oval, and
a parabolic reflector combined with the central region.
2. (previously presented) The illumination device as claimed in claim 1, wherein
the reflector has outer areas A and B that are rotated in a direction of the central region of the optical element such that all beams emerging from the optical element are substantially parallel.
3. (previously presented) The illumination device as claimed in claim 1, wherein
the reflector has outer areas A and B that are embodied such that they are mirror-coated or totally reflective.
4. (previously presented) The illumination device as claimed in claim 1, wherein
the optical element has side areas E that are inclined in such a way that the optical element tapers from a light exit area G toward the light entry area F.
5. (previously presented) The illumination device as claimed in claim 4, wherein

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the side areas E are formed, in particular by means of mirror-coating or curvature, such that a large acceptance angle is produced in a beam direction.

6. (currently amended) The illumination device as claimed in claim 1, wherein
the cross section of the light entry area of the optical element has, in a departure from the rectangular form, a trapezoidal form having side areas and a base area, the side areas of the trapezoidal form are inclined by the angles α and β with respect to a normal to the base area.
7. (previously presented) The illumination device as claimed in claim 1, wherein
at least one of the individual optical elements is assigned a plurality of semiconductor light sources.
8. (previously presented) The illumination device as claimed in claim 1, wherein
the individual semiconductor light sources can be switched individually.
9. (previously presented) The illumination device as claimed in claim 1, wherein
the optical elements and the semiconductor light sources are arranged such that they are displaceable with respect to one another.
10. (previously presented) A method for driving an illumination device as claimed in claim 1, wherein
the semiconductor light sources can be driven individually in a manner dependent on the desired radiation characteristic,
it being possible in this case for the semiconductor sources to be entirely or partly activated.
11. (previously presented) The method as claimed in claim 10, wherein
for the case where a plurality of semiconductor light sources are assigned to an individual optical element, these are driven in a manner dependent on the desired

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radiation characteristic.

12. (previously presented) The method as claimed in claim 10, wherein
the lenses and the semiconductor light sources are displaced relative to one
another for the purpose of changing the emission characteristic of the illumination device.
13. (previously presented) The use of the illumination device as claimed in claim 1 as a
motor vehicle headlight for asymmetrical illumination of the surroundings in front of a
motor vehicle.